

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010646.D
 Acq On : 31 May 2019 19:36
 Operator : SY/VA
 Sample : K3097-23
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0443-PR-6(PASSAIC)

Quant Time: Jun 01 06:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

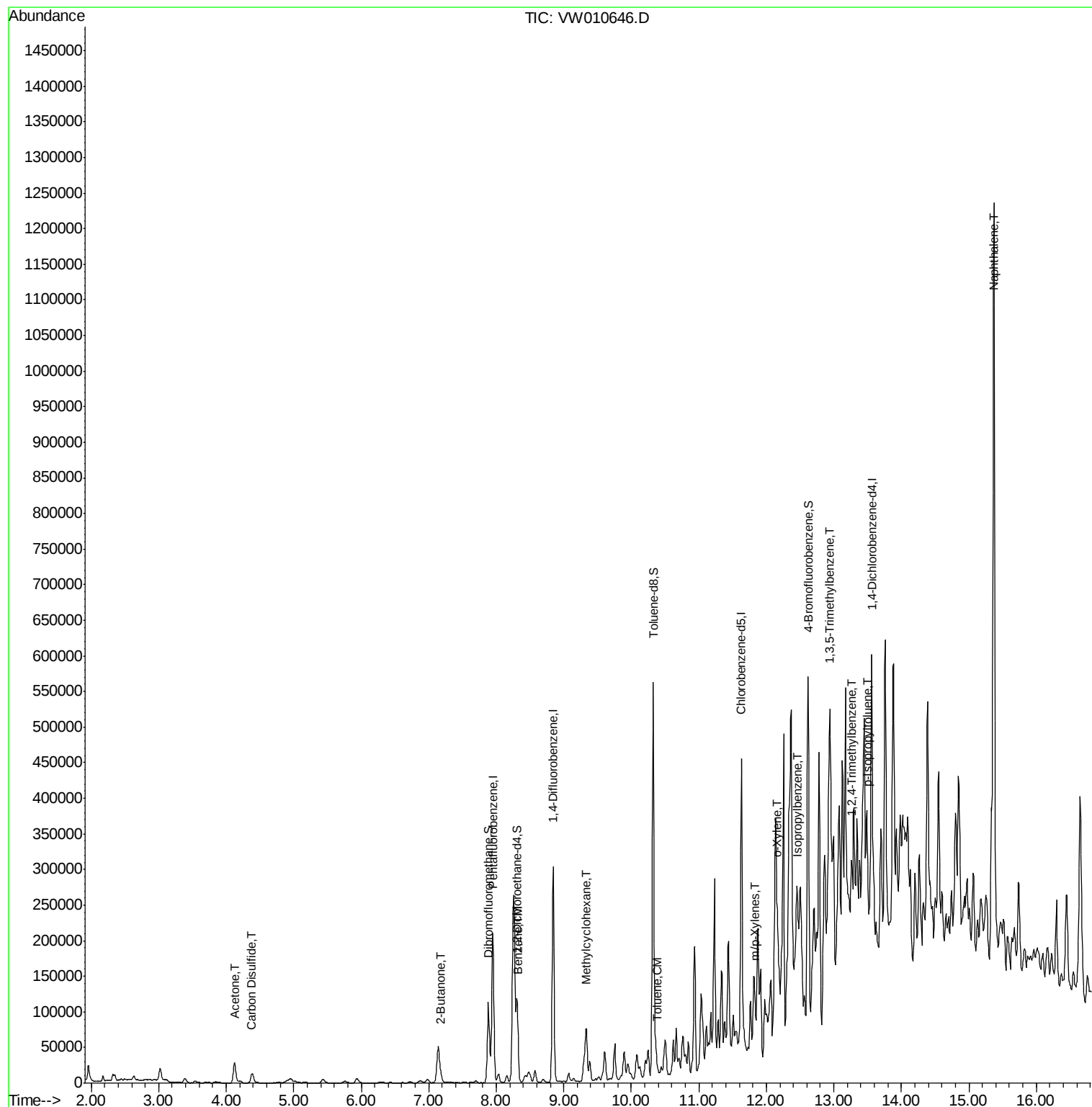
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	158634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	272907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	85856	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	80367	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.32	98	334497	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.62	95	127876	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	48374	144.735	ug/l	99
17) Carbon Disulfide	4.37	76	13488	2.699	ug/l	97
25) 2-Butanone	7.18	43	16970	35.479	ug/l	91
39) Methylcyclohexane	9.34	83	27671	8.124	ug/l	97
40) Benzene	8.32	78	11301	1.599	ug/l #	87
52) Toluene	10.39	92	4834	1.019	ug/l	97
68) m/p-Xylenes	11.84	106	7431	2.056	ug/l	92
69) o-Xylene	12.16	106	30237	8.830	ug/l	99
73) Isopropylbenzene	12.47	105	19623	2.167	ug/l	94
80) 1,3,5-Trimethylbenzene	12.94	105	20334	2.651	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	40790	5.340	ug/l	98
86) p-Isopropyltoluene	13.50	119	20776	2.448	ug/l	98
95) Naphthalene	15.37	128	972259	187.900	ug/l	100

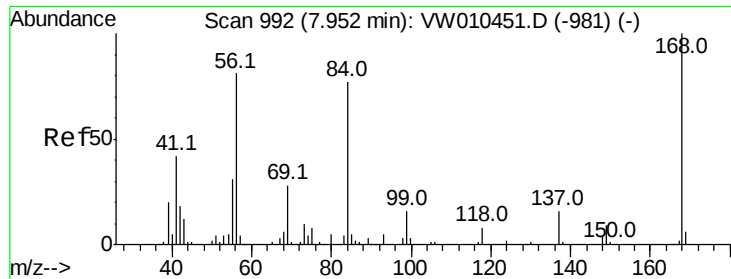
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

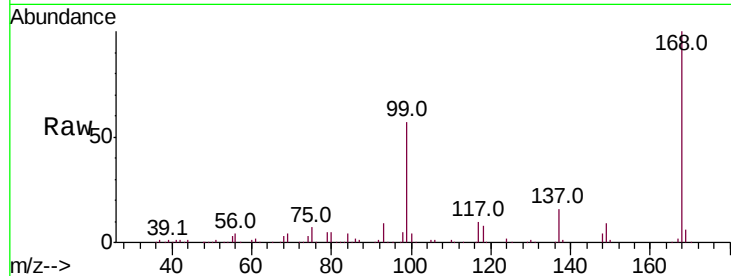
0443-PR-6(PASSAIC)

Tot Ion:168 Resp: 158634

Ion Ratio Lower Upper

168 100

99 57.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW010451.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW010451.D (-981) (-)

7.95

80000

60000

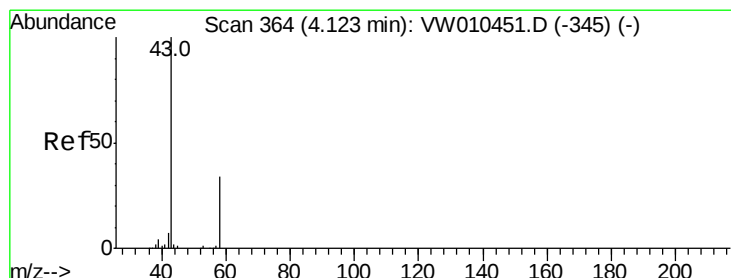
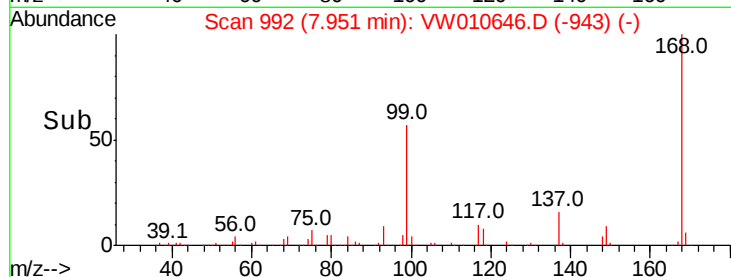
40000

20000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 144.735 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010646.D

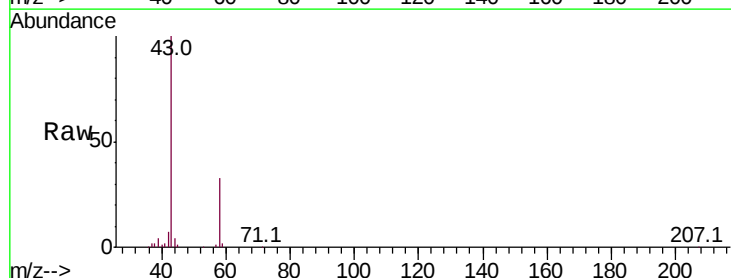
Acq: 31 May 2019 19:36

Tgt Ion: 43 Resp: 48374

Ion Ratio Lower Upper

43 100

58 33.4 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW010451.D (-345) (-)

Ion 58.00 (57.70 to 58.70): VW010451.D (-345) (-)

4.13

20000

15000

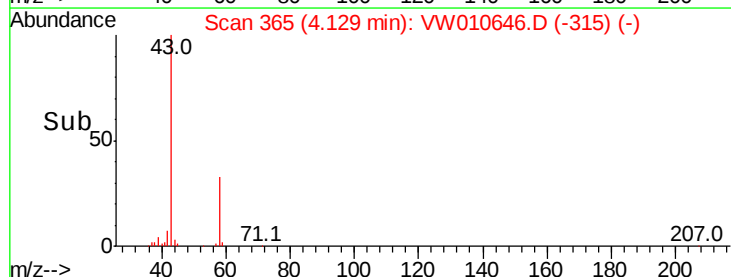
10000

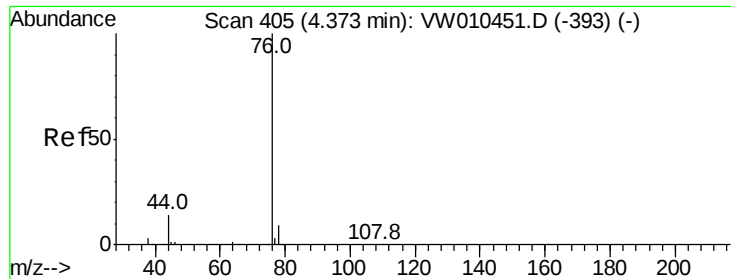
5000

0

4.00 4.10 4.20

Time-->





#17

Carbon Disulfide

Concen: 2.699 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

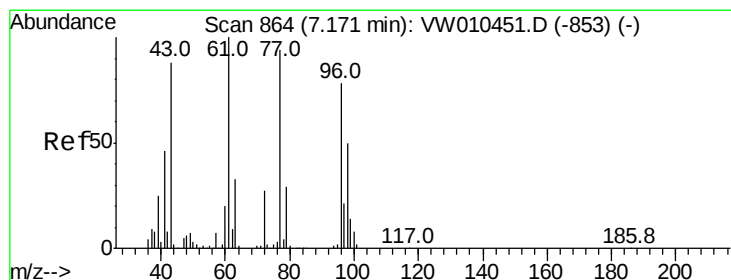
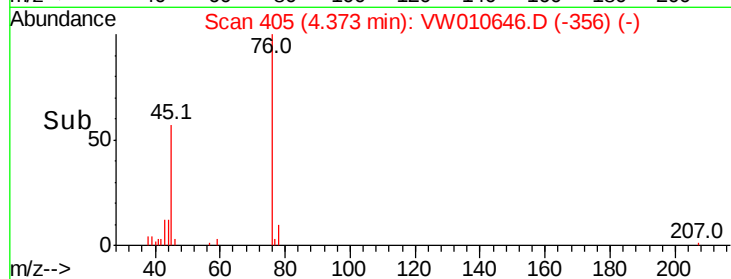
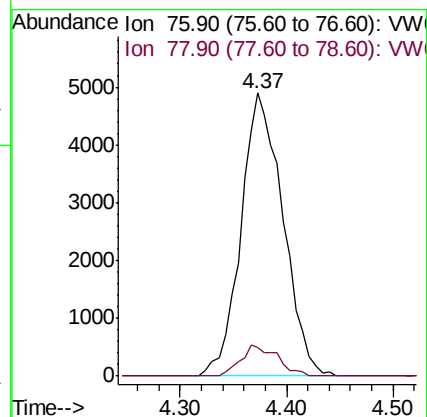
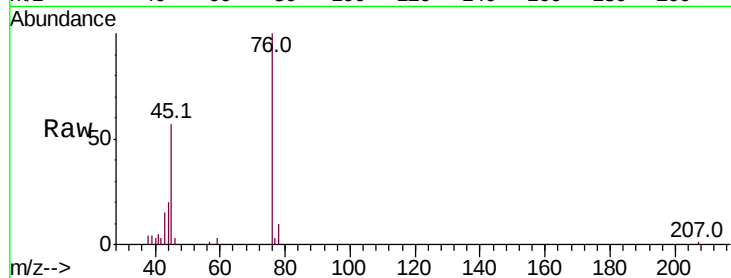
0443-PR-6(PASSAIC)

Tot Ion: 76 Resp: 13488

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7



#25

2-Butanone

Concen: 35.479 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010646.D

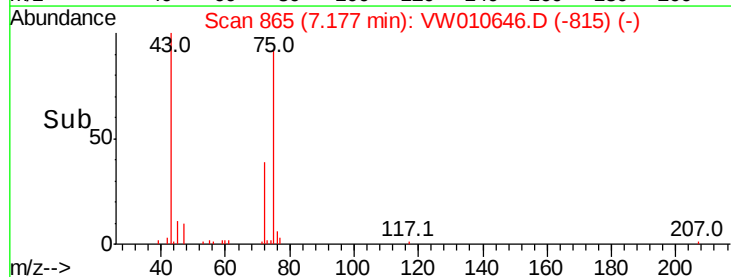
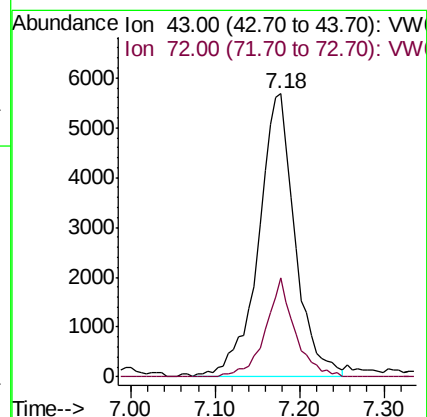
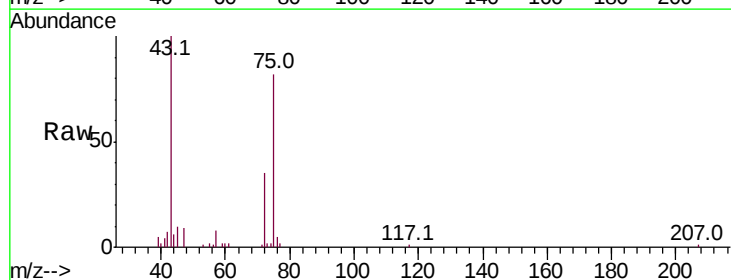
Acq: 31 May 2019 19:36

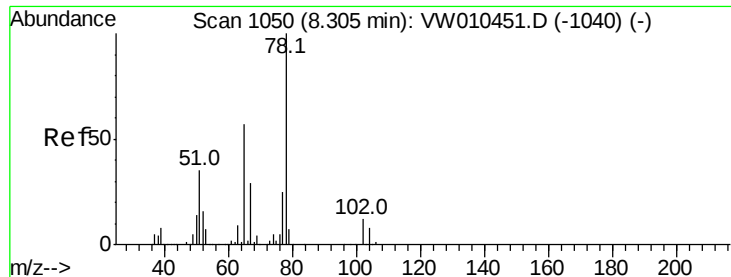
Tgt Ion: 43 Resp: 16970

Ion Ratio Lower Upper

43 100

72 34.9 24.1 36.1





#33

1,2-Dichloroethane-d4

Concen: 52.435 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

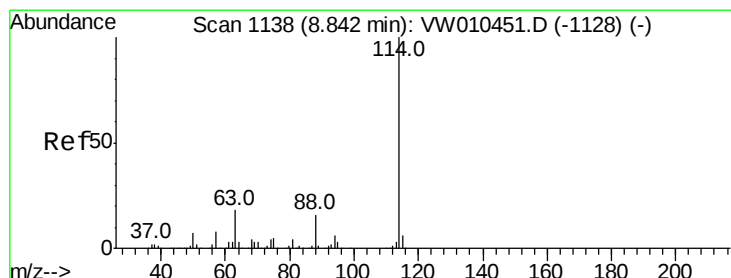
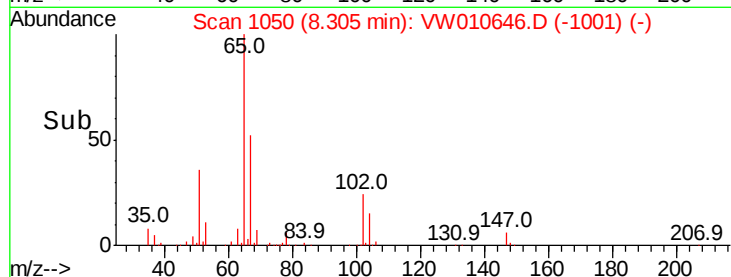
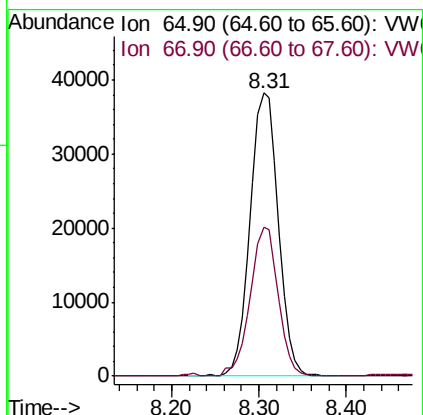
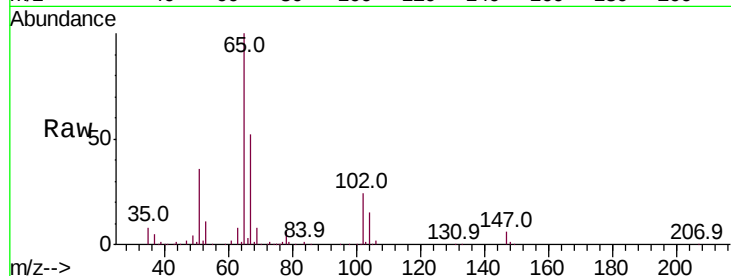
0443-PR-6(PASSAIC)

Tot Ion: 65 Resp: 85856

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

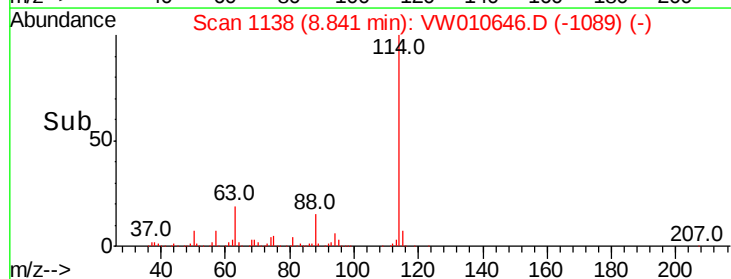
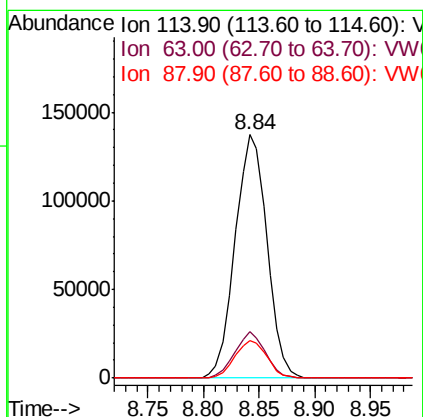
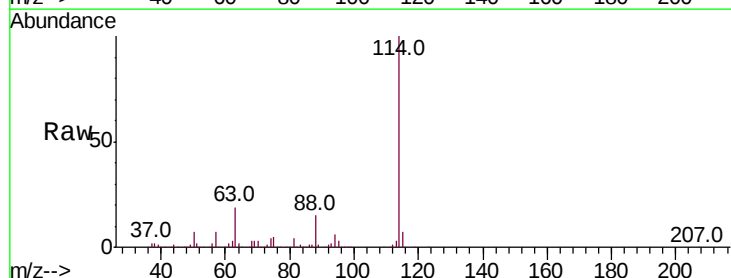
Tgt Ion: 114 Resp: 272907

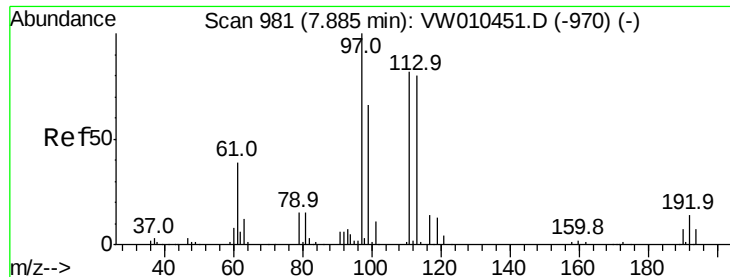
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

88 15.5 0.0 32.0

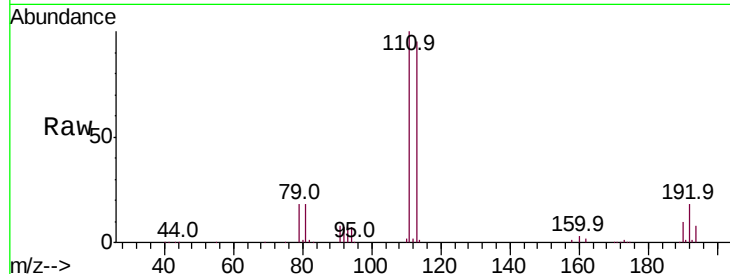




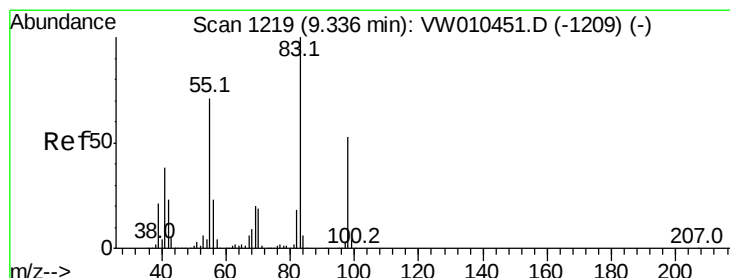
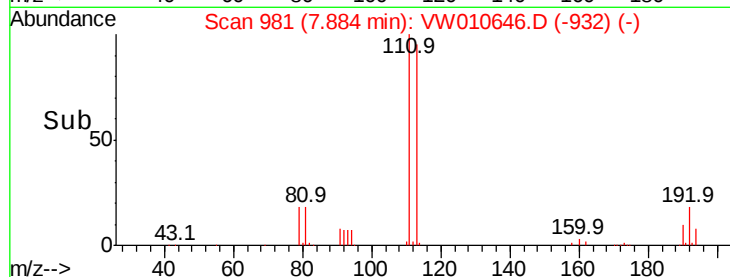
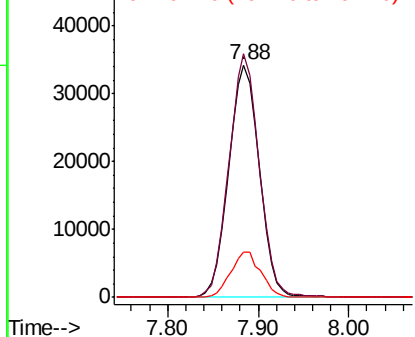
#35
Dibromofluoromethane
Concen: 48.532 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion:113 Resp: 80367
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 19.1 14.3 21.5

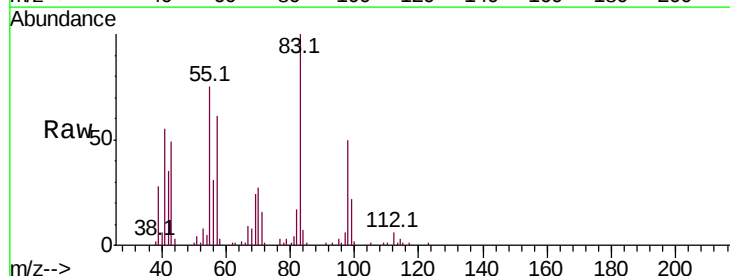


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

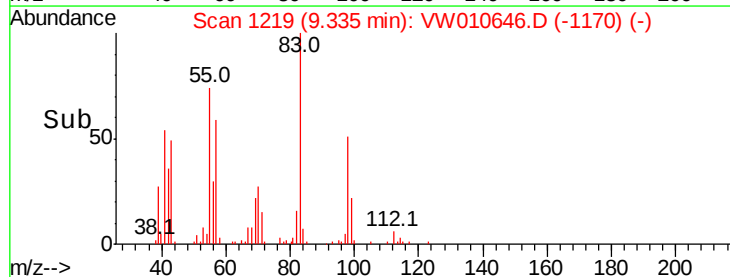
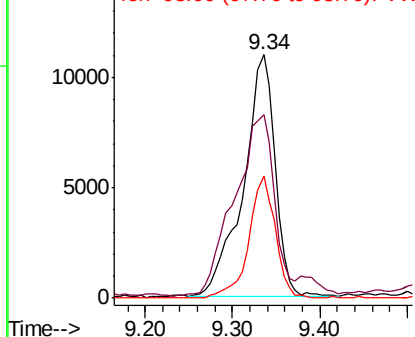


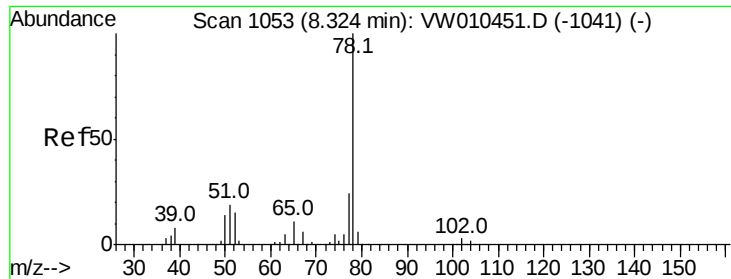
#39
Methylcyclohexane
Concen: 8.124 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Tgt Ion: 83 Resp: 27671
Ion Ratio Lower Upper
83 100
55 74.1 57.0 85.6
98 50.6 42.0 63.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.599 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

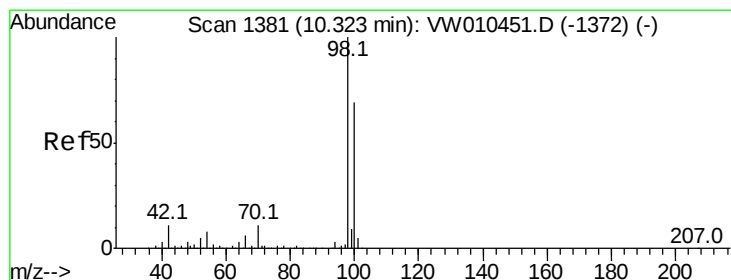
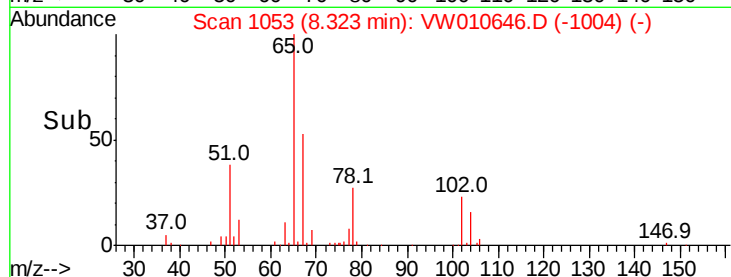
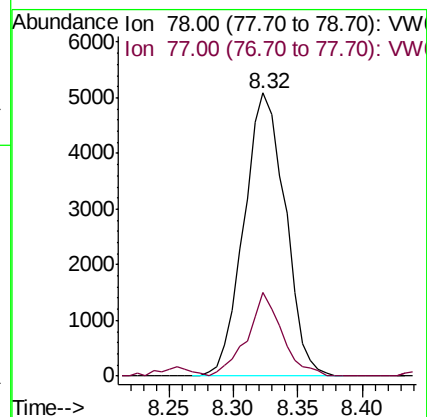
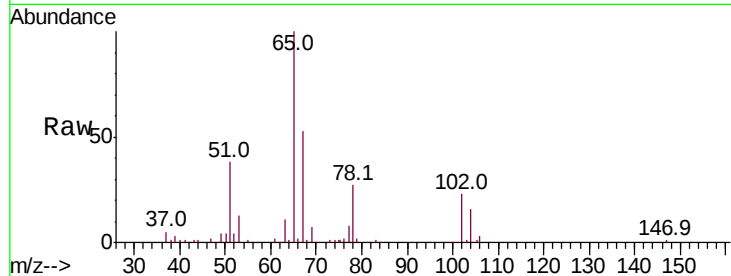
0443-PR-6(PASSAIC)

Tot Ion: 78 Resp: 11301

Ion Ratio Lower Upper

78 100

77 29.8 18.9 28.3#



#50

Toluene-d8

Concen: 52.876 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010646.D

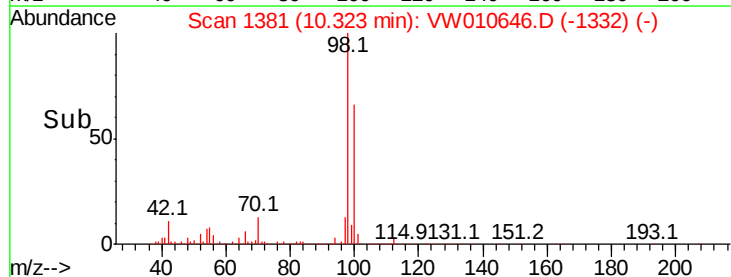
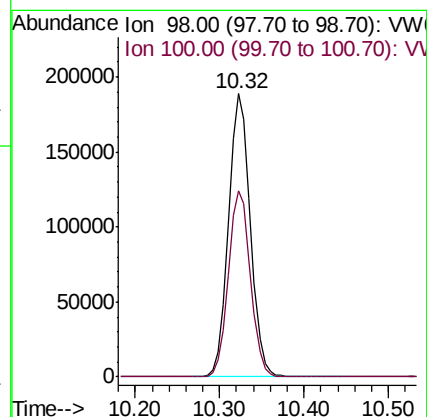
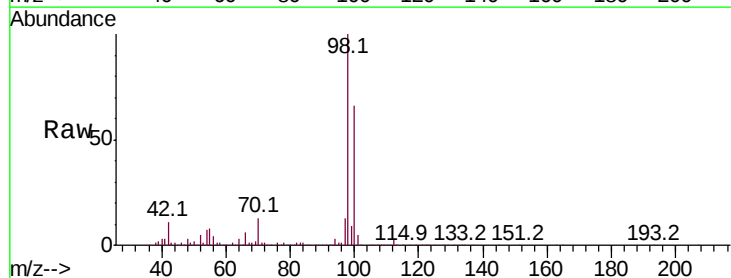
Acq: 31 May 2019 19:36

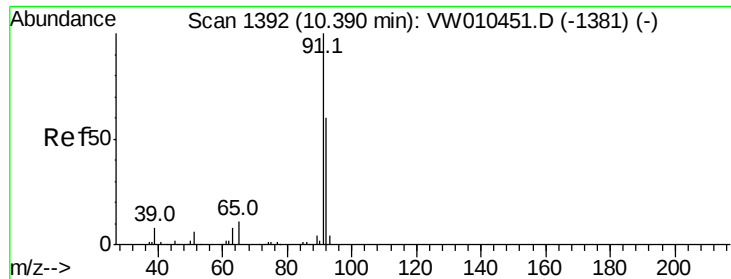
Tgt Ion: 98 Resp: 334497

Ion Ratio Lower Upper

98 100

100 66.4 53.7 80.5





#52

Toluene

Concen: 1.019 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

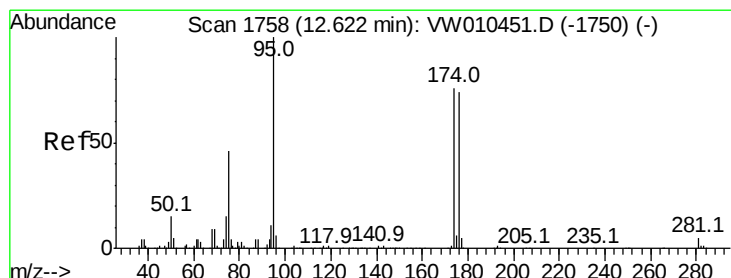
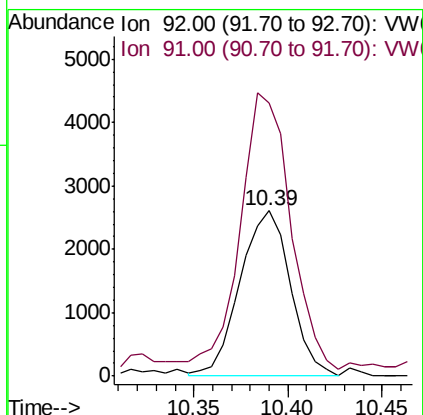
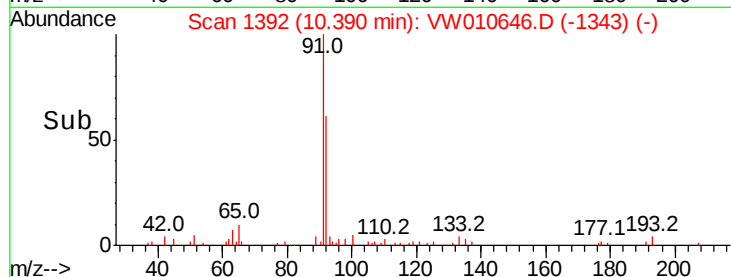
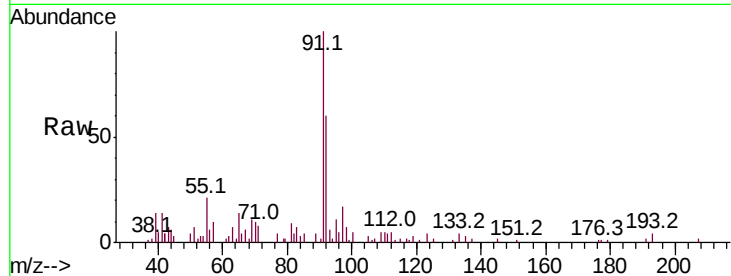
0443-PR-6(PASSAIC)

Tot Ion: 92 Resp: 4834

Ion Ratio Lower Upper

92 100

91 165.0 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 50.749 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

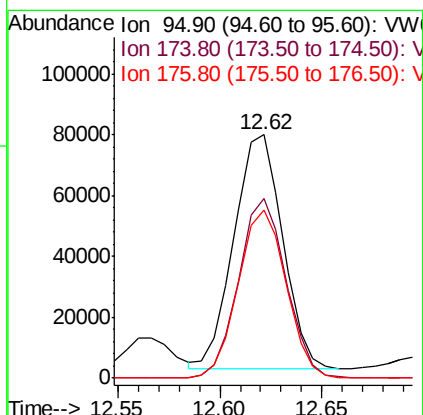
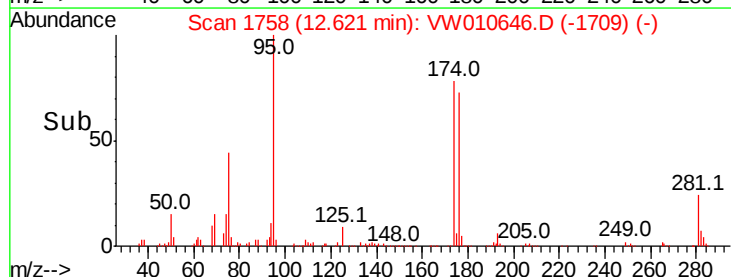
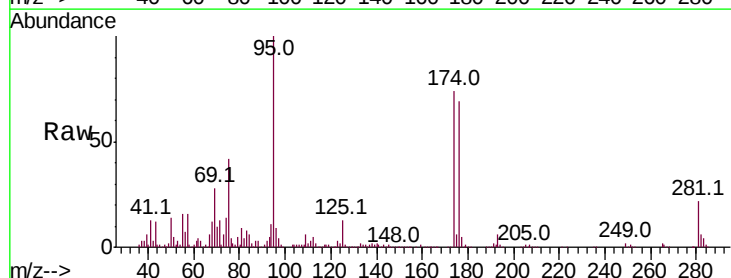
Tgt Ion: 95 Resp: 127876

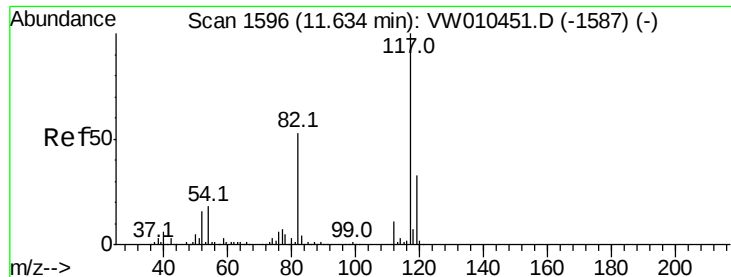
Ion Ratio Lower Upper

95 100

174 74.7 0.0 148.6

176 70.7 0.0 144.2

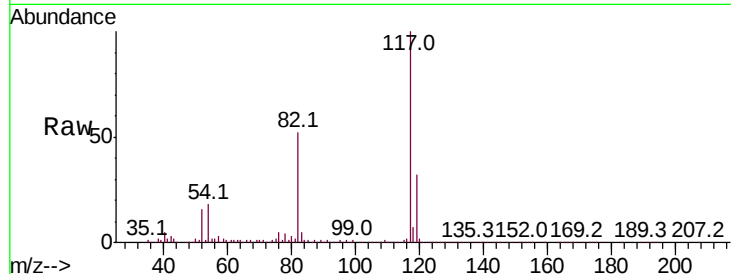




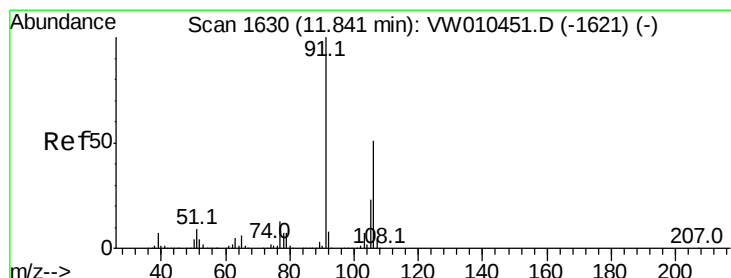
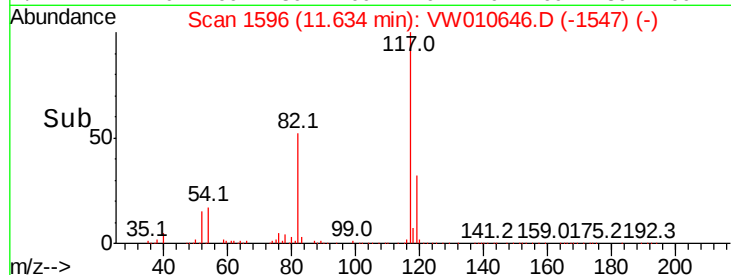
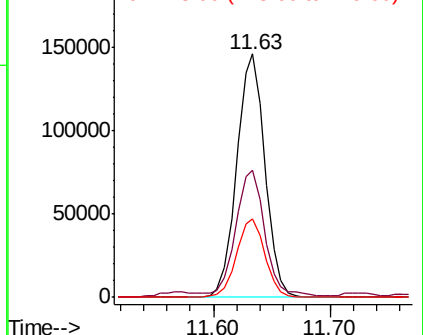
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion:117 Resp: 244904
Ion Ratio Lower Upper
117 100
82 51.2 42.8 64.2
119 32.3 26.3 39.5

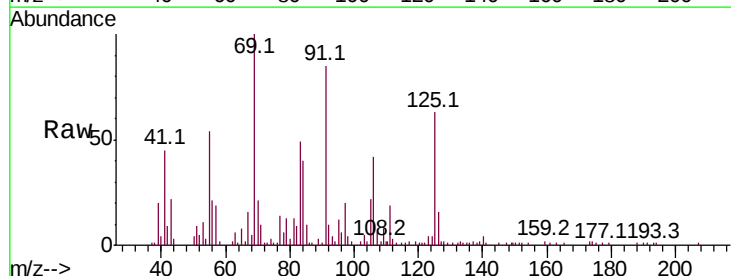


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

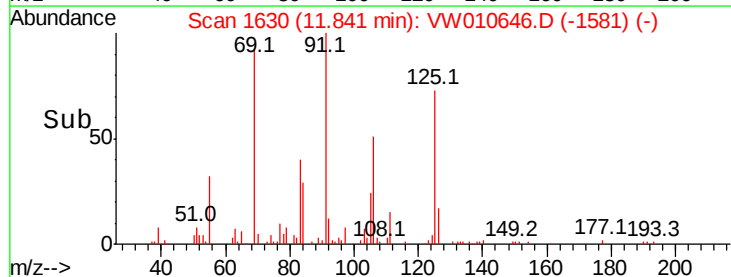
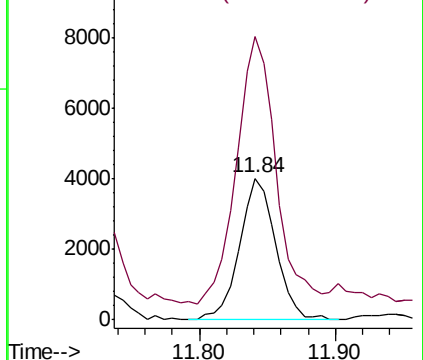


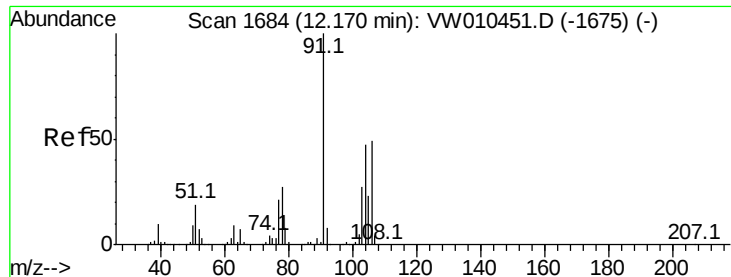
#68
m/p-Xylenes
Concen: 2.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Tgt Ion:106 Resp: 7431
Ion Ratio Lower Upper
106 100
91 207.2 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

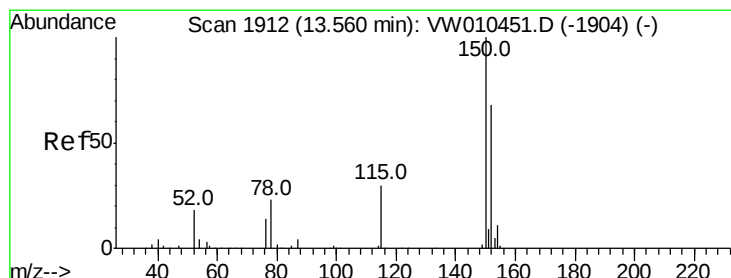
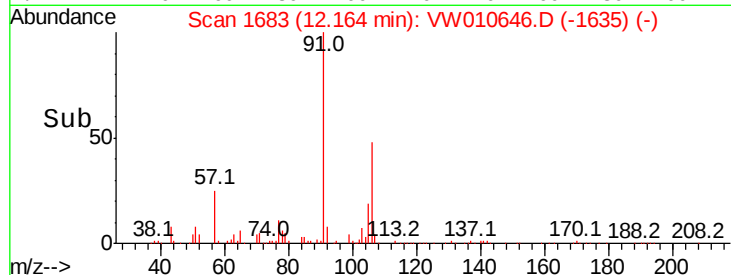
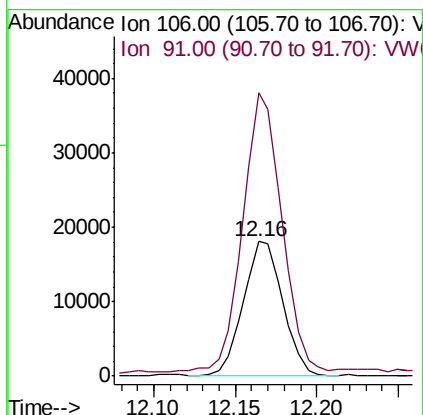
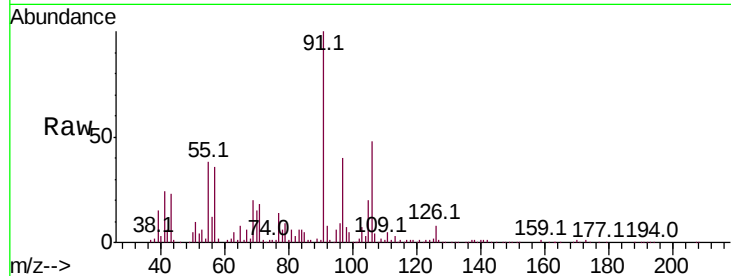




#69
o-Xylene
Concen: 8.830 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

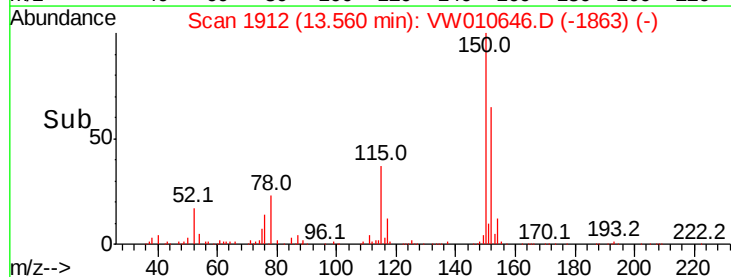
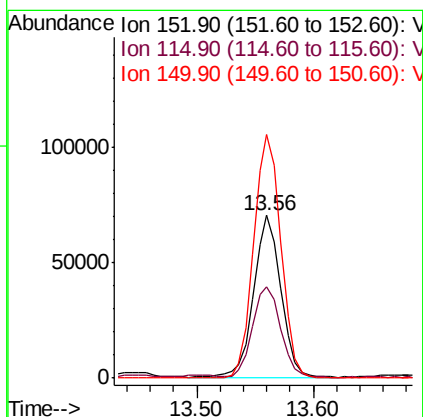
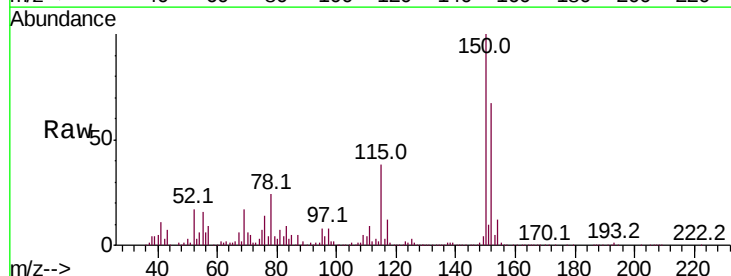
Instrument :
MSVOA_W
ClientSampleId :
0443-PR-6(PASSAIC)

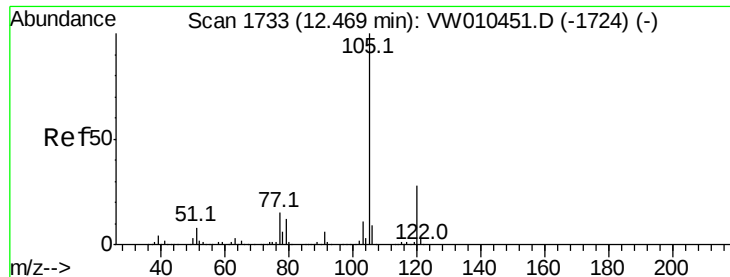
Tot Ion:106 Resp: 30237
Ion Ratio Lower Upper
106 100
91 205.4 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Tgt Ion:152 Resp: 114127
Ion Ratio Lower Upper
152 100
115 58.0 30.3 91.0
150 150.2 0.0 349.8





#73

Isopropylbenzene

Concen: 2.167 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010646.D

Acq: 31 May 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

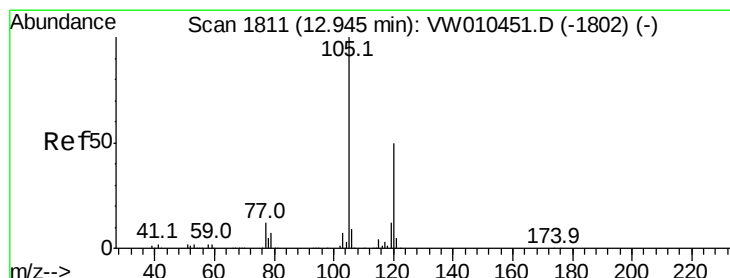
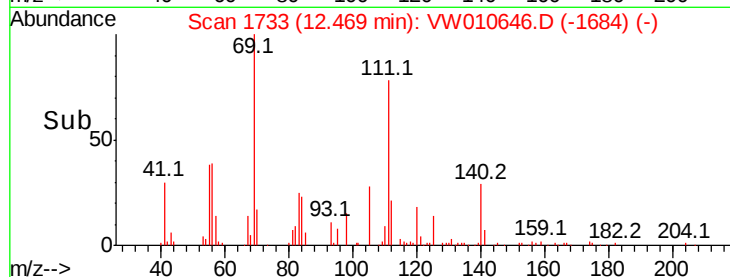
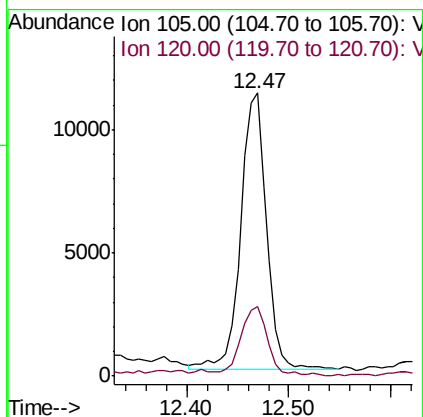
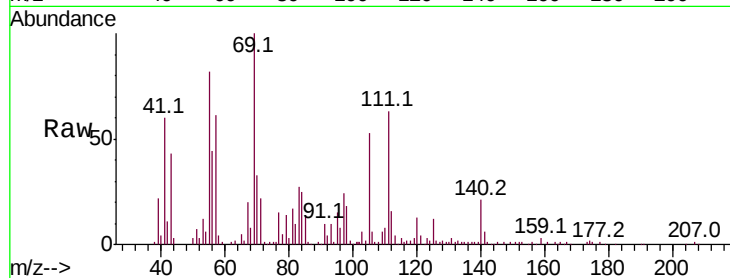
0443-PR-6(PASSAIC)

Tot Ion:105 Resp: 19623

Ion Ratio Lower Upper

105 100

120 24.7 13.9 41.7



#80

1,3,5-Trimethylbenzene

Concen: 2.651 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010646.D

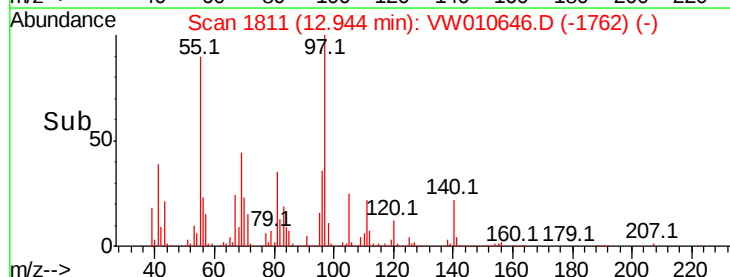
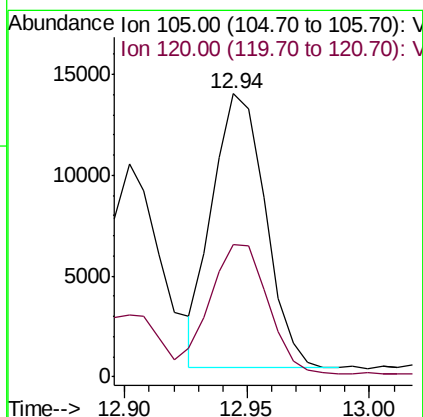
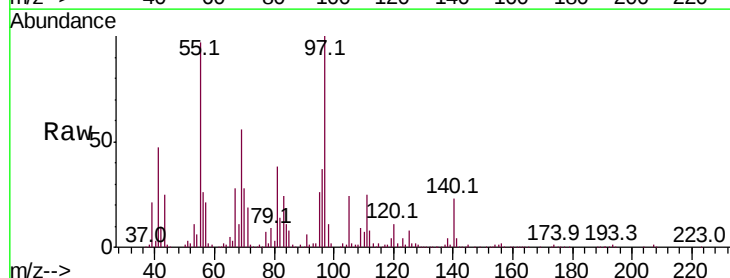
Acq: 31 May 2019 19:36

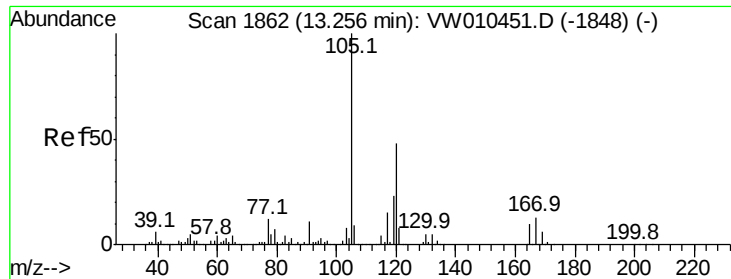
Tgt Ion:105 Resp: 20334

Ion Ratio Lower Upper

105 100

120 52.9 25.2 75.6

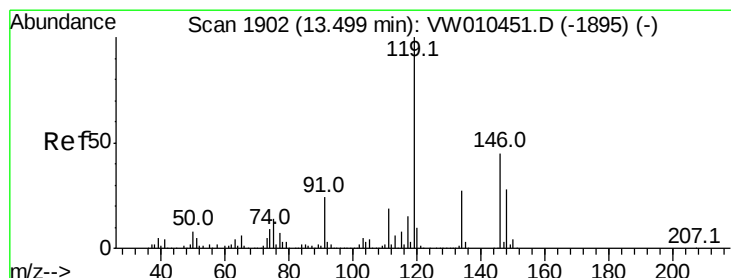
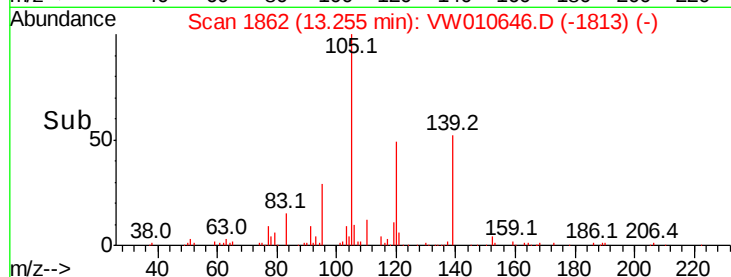
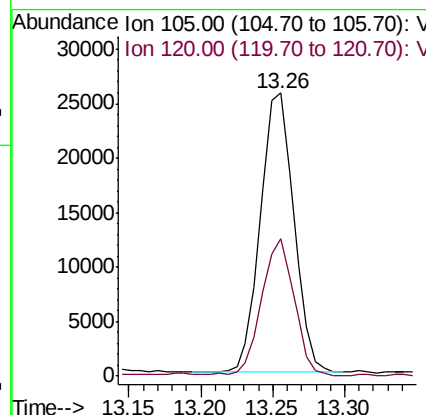
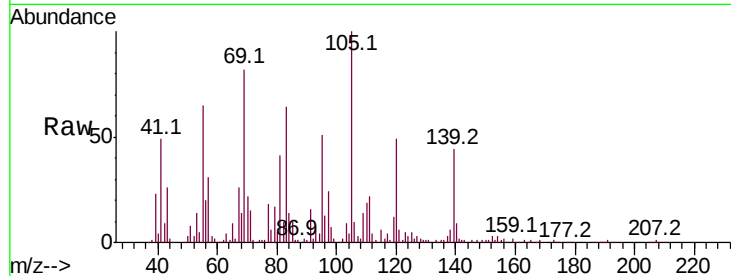




#84
 1,2,4-Trimethylbenzene
 Concen: 5.340 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010646.D
 Acq: 31 May 2019 19:36

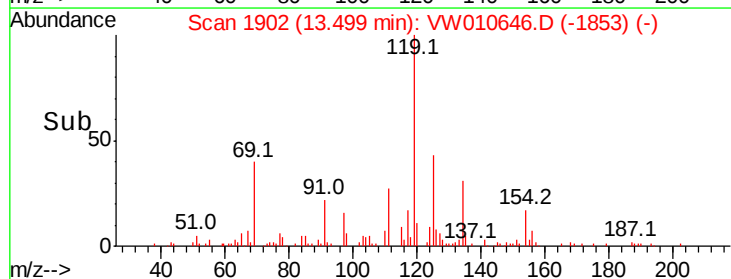
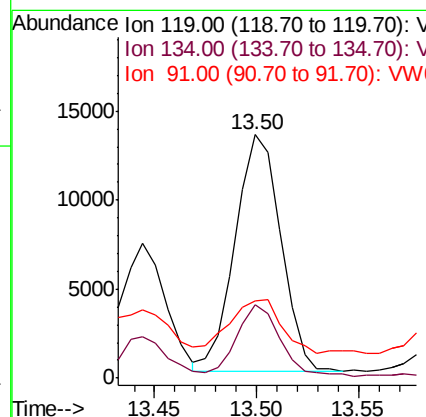
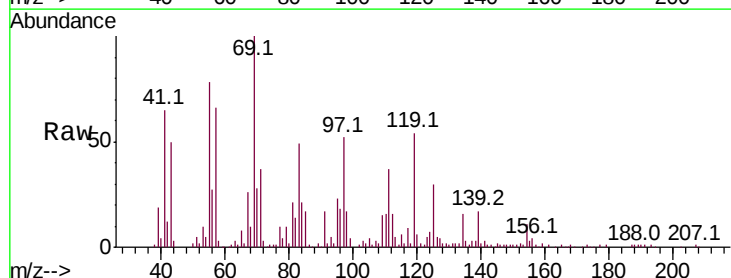
Instrument :
 MSVOA_W
 ClientSampleId :
 0443-PR-6(PASSAIC)

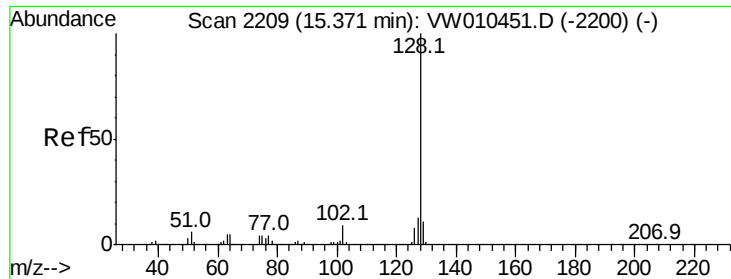
Tot Ion:105 Resp: 40790
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.2



#86
 p-Isopropyltoluene
 Concen: 2.448 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010646.D
 Acq: 31 May 2019 19:36

Tgt Ion:119 Resp: 20776
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.6 40.7
 91 23.6 11.9 35.7

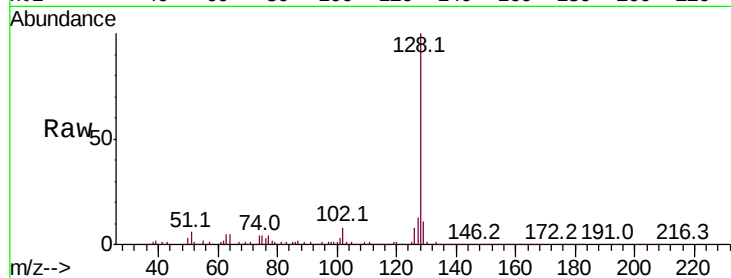




#95
Naphthalene
Concen: 187.900 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010646.D
Acq: 31 May 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

